

FIG.2B

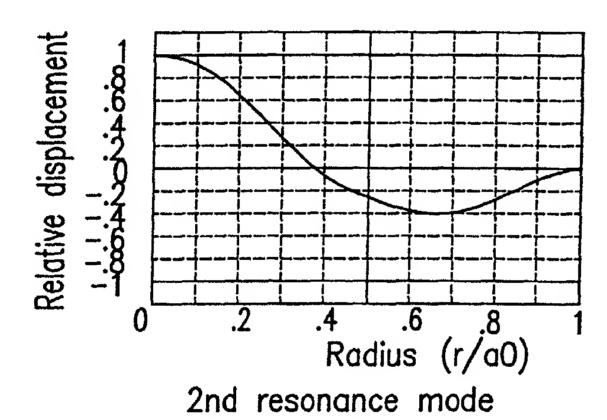
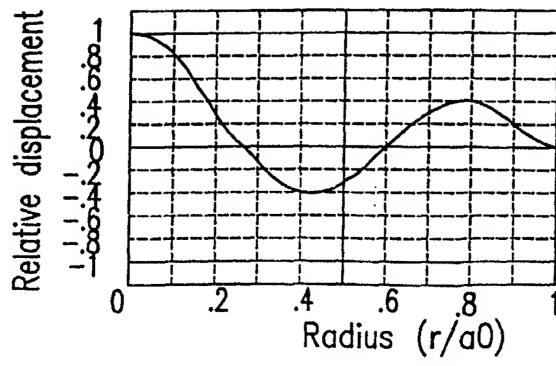


FIG.2C



3rd resonance mode

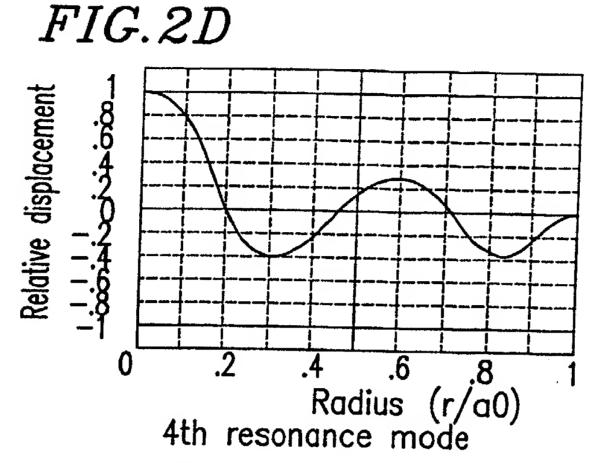


FIG.2E

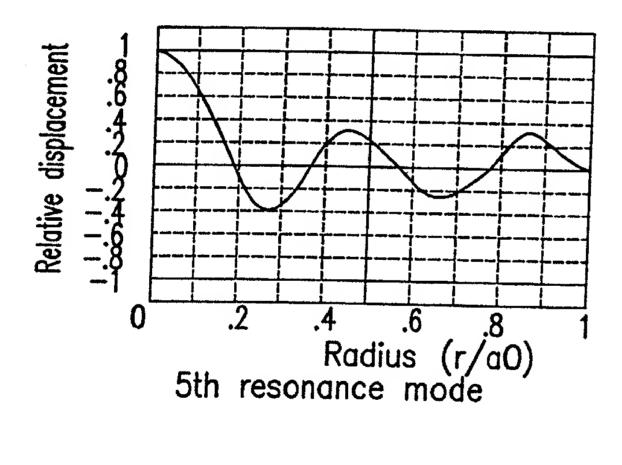
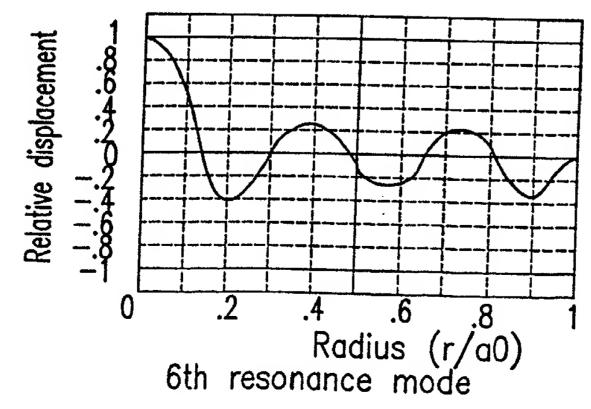
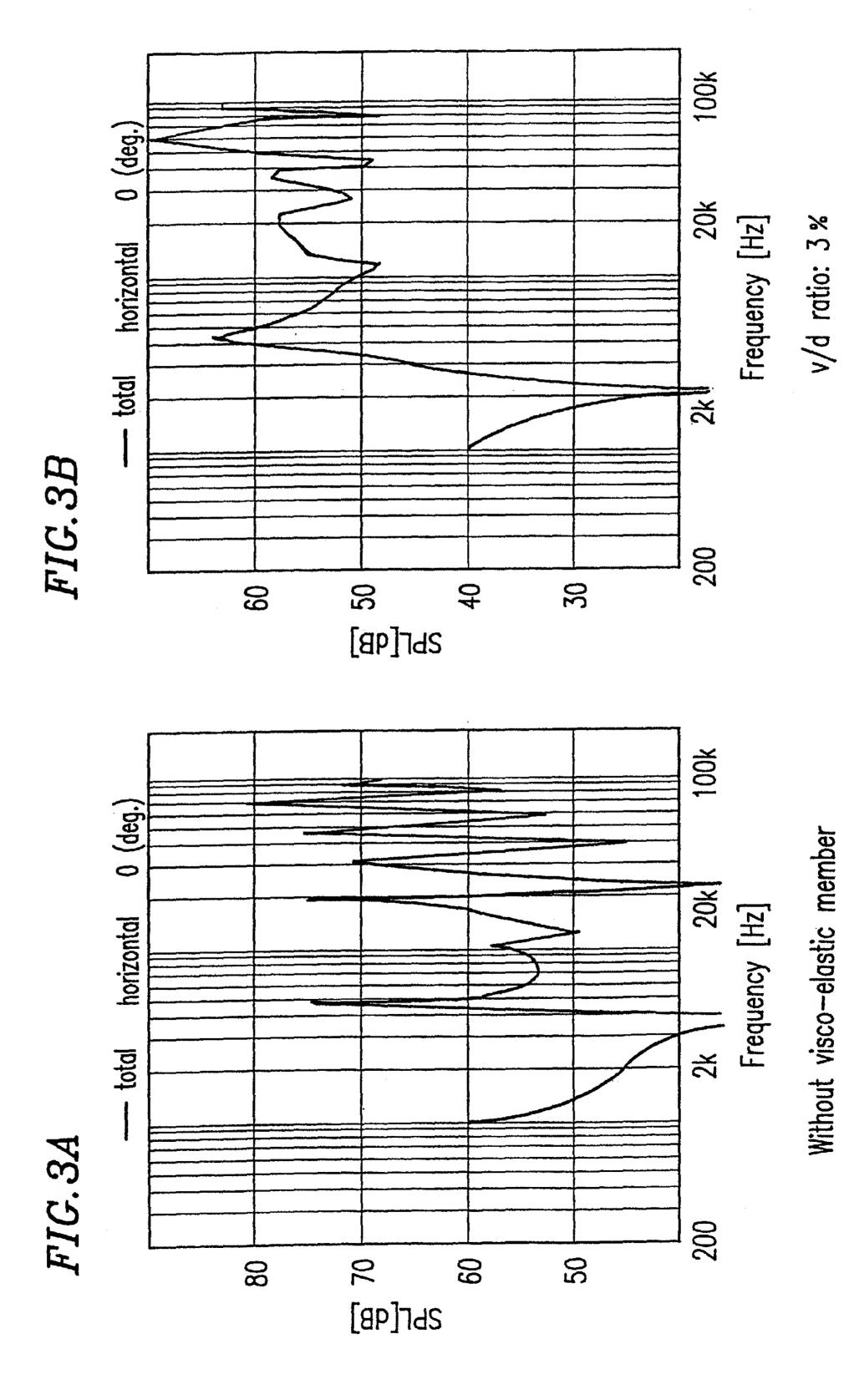
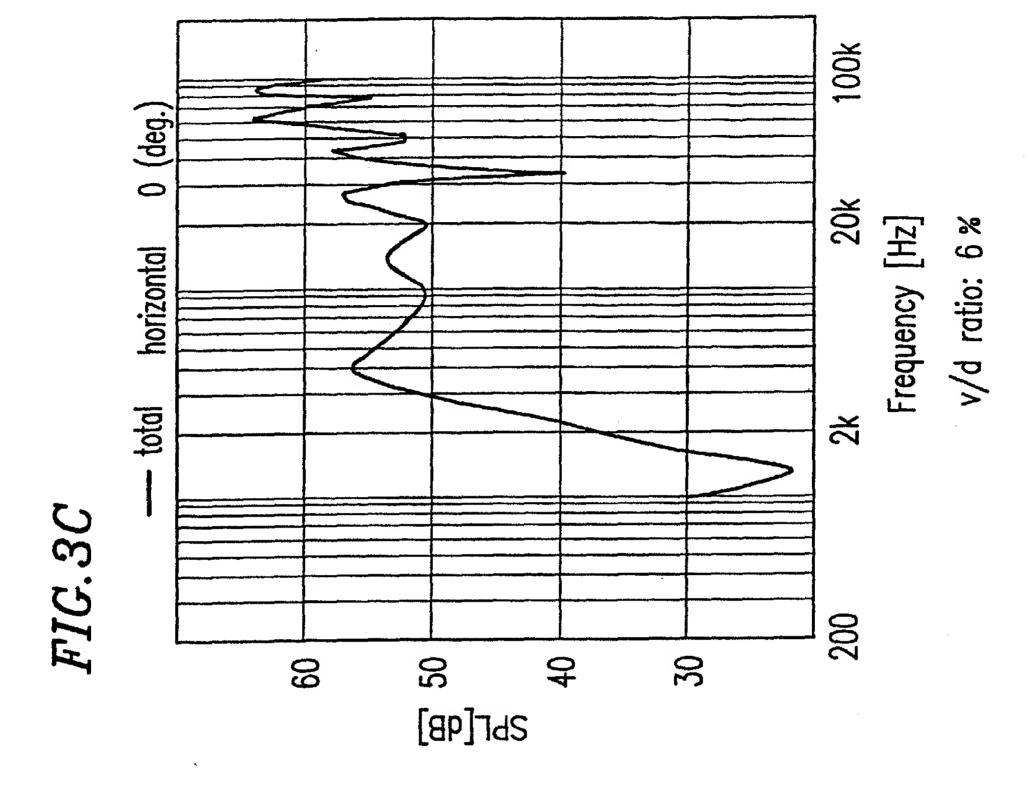


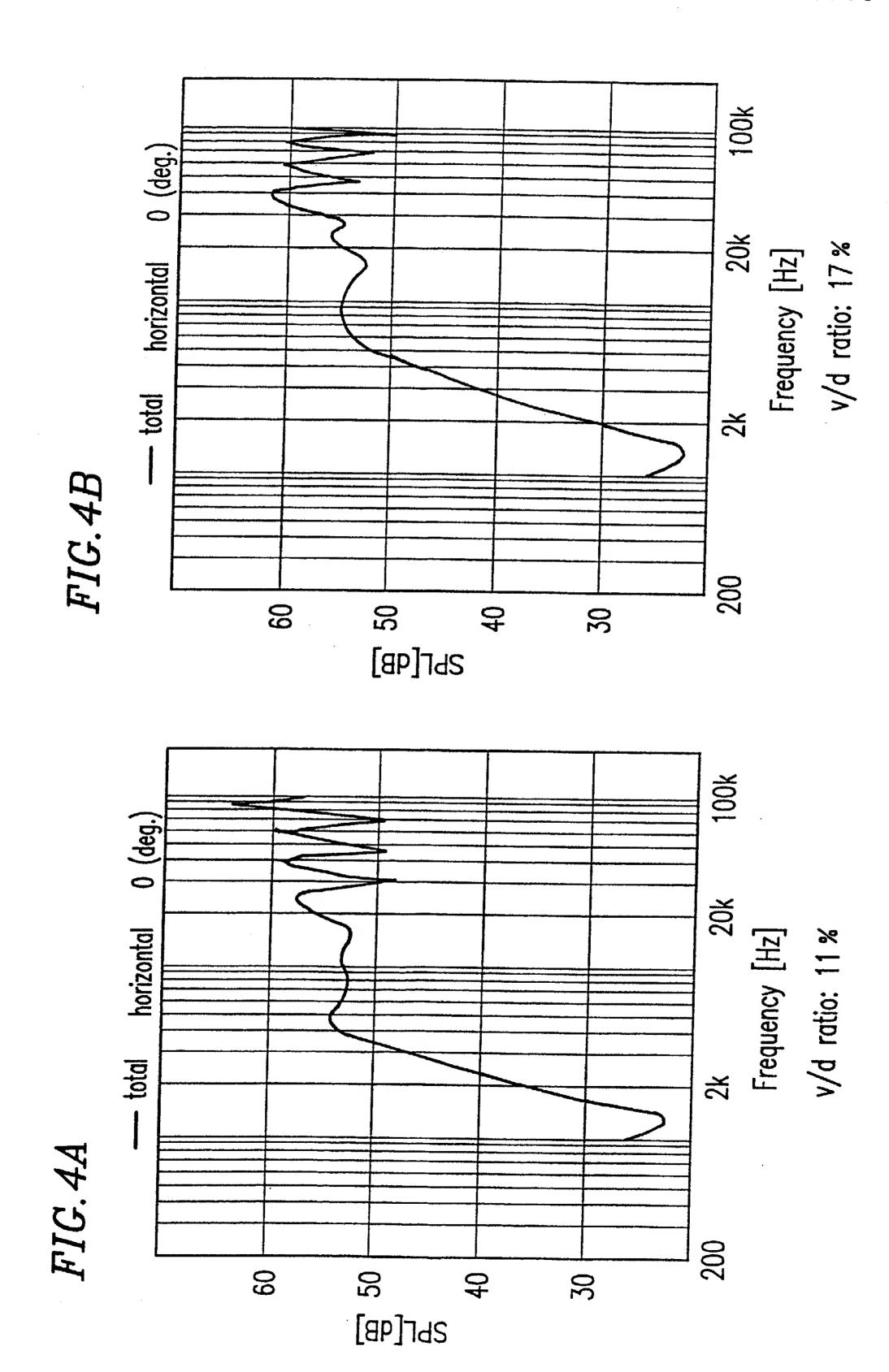
FIG.2F



Vibration modes of piezoelectric vibrator

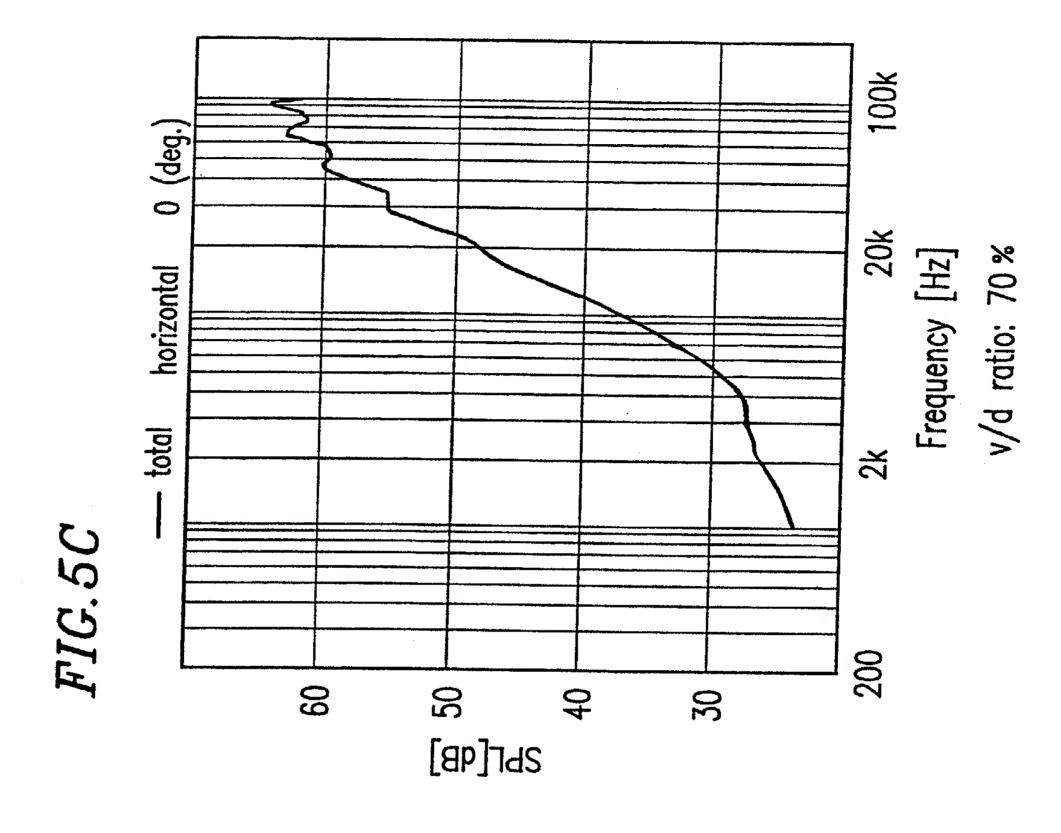


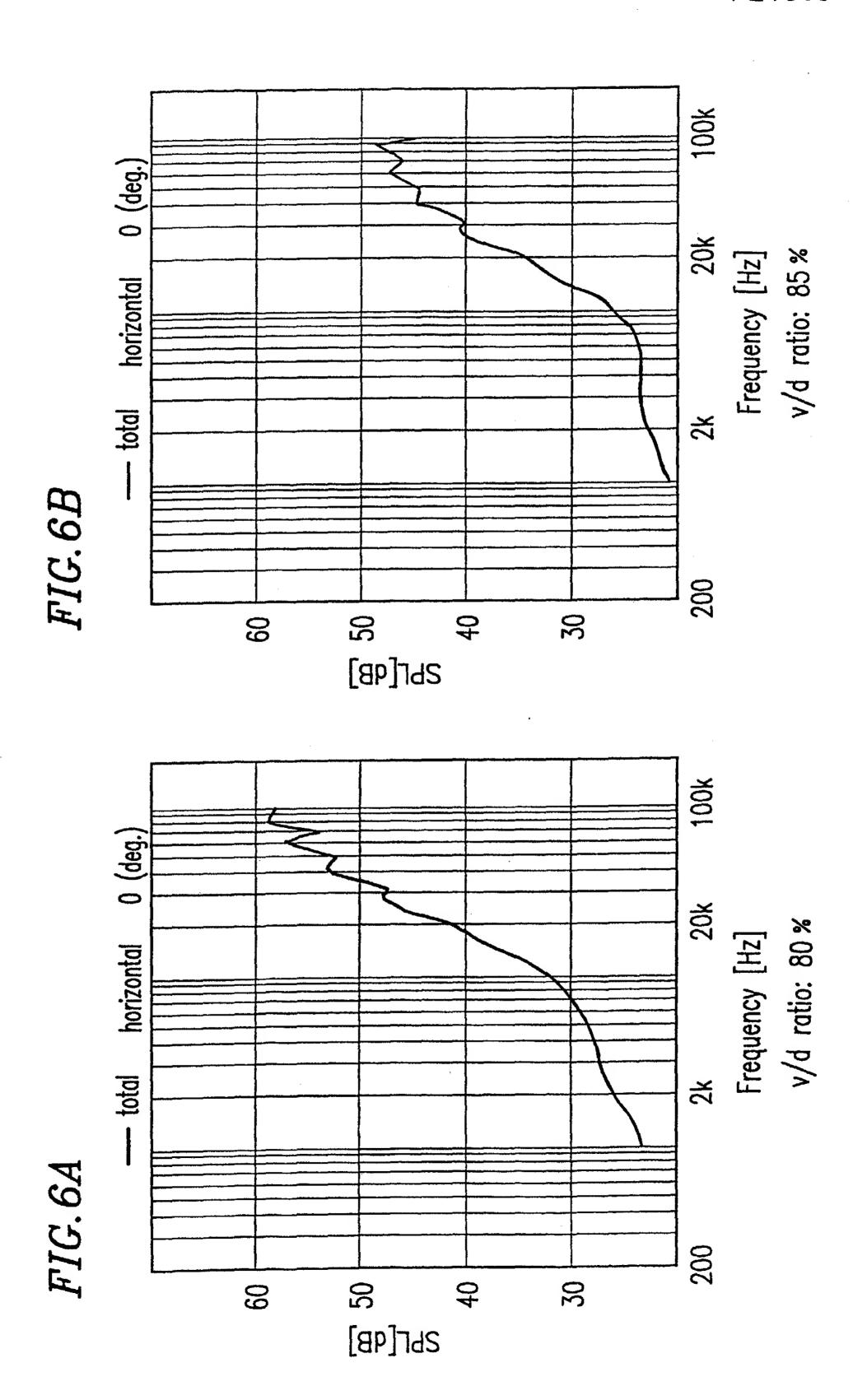




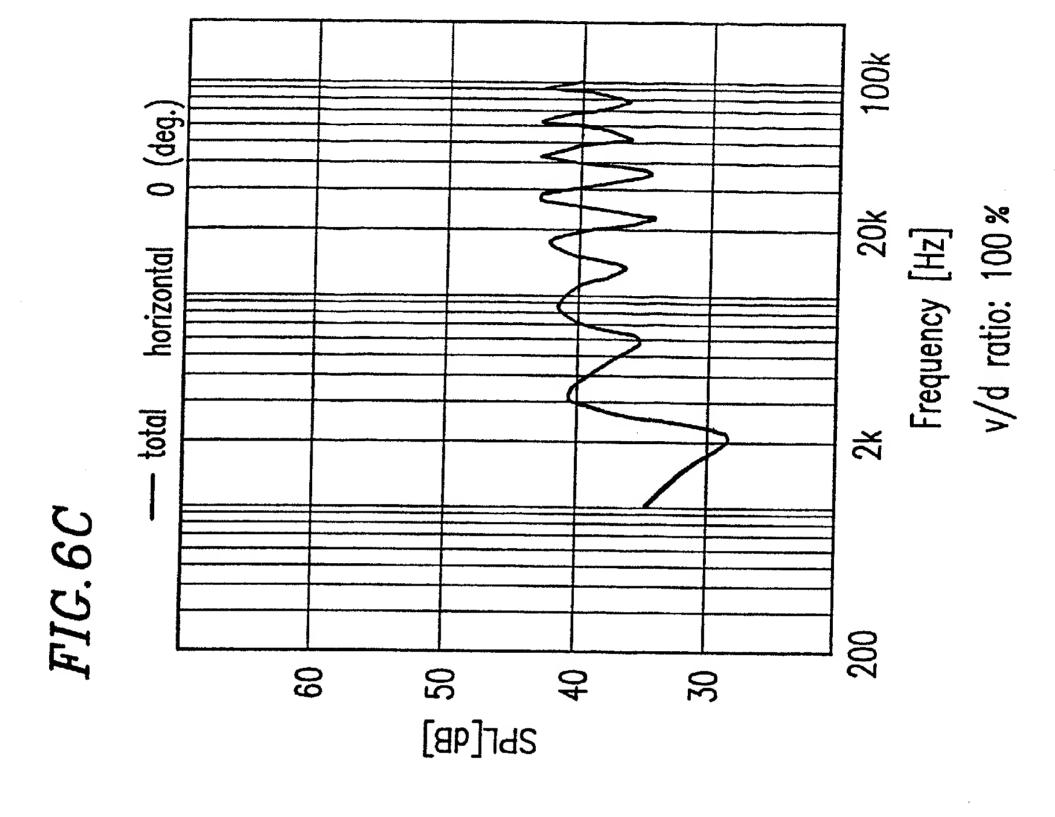
100k

SPL[dB]





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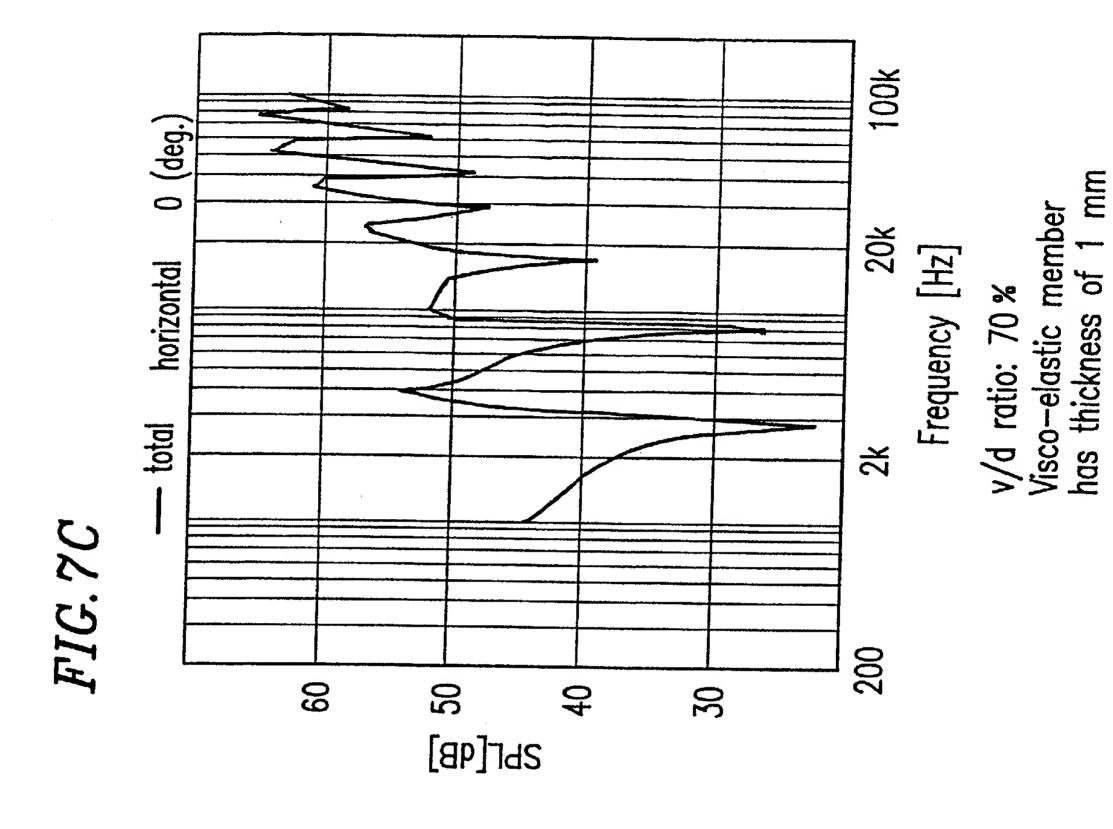


FIG. 8

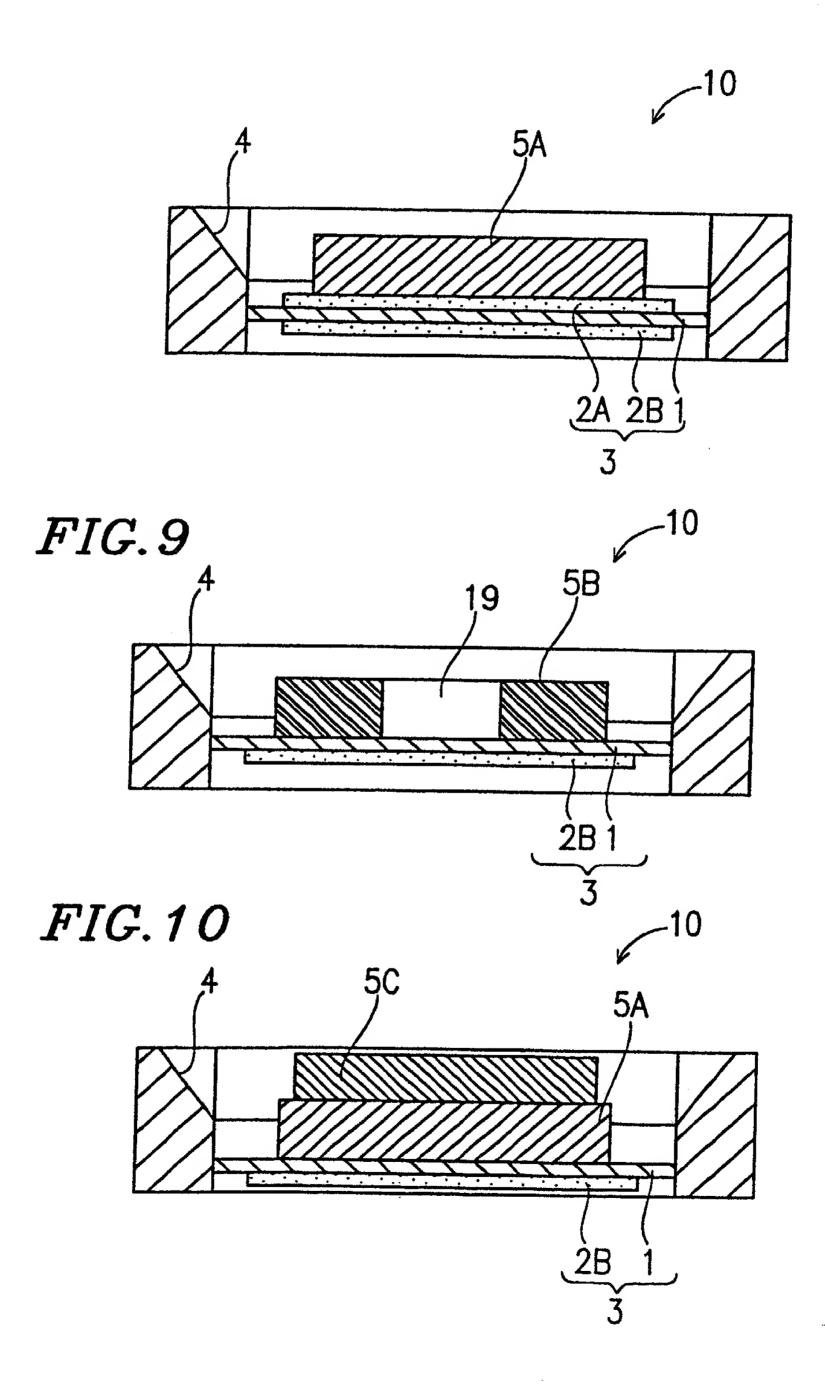
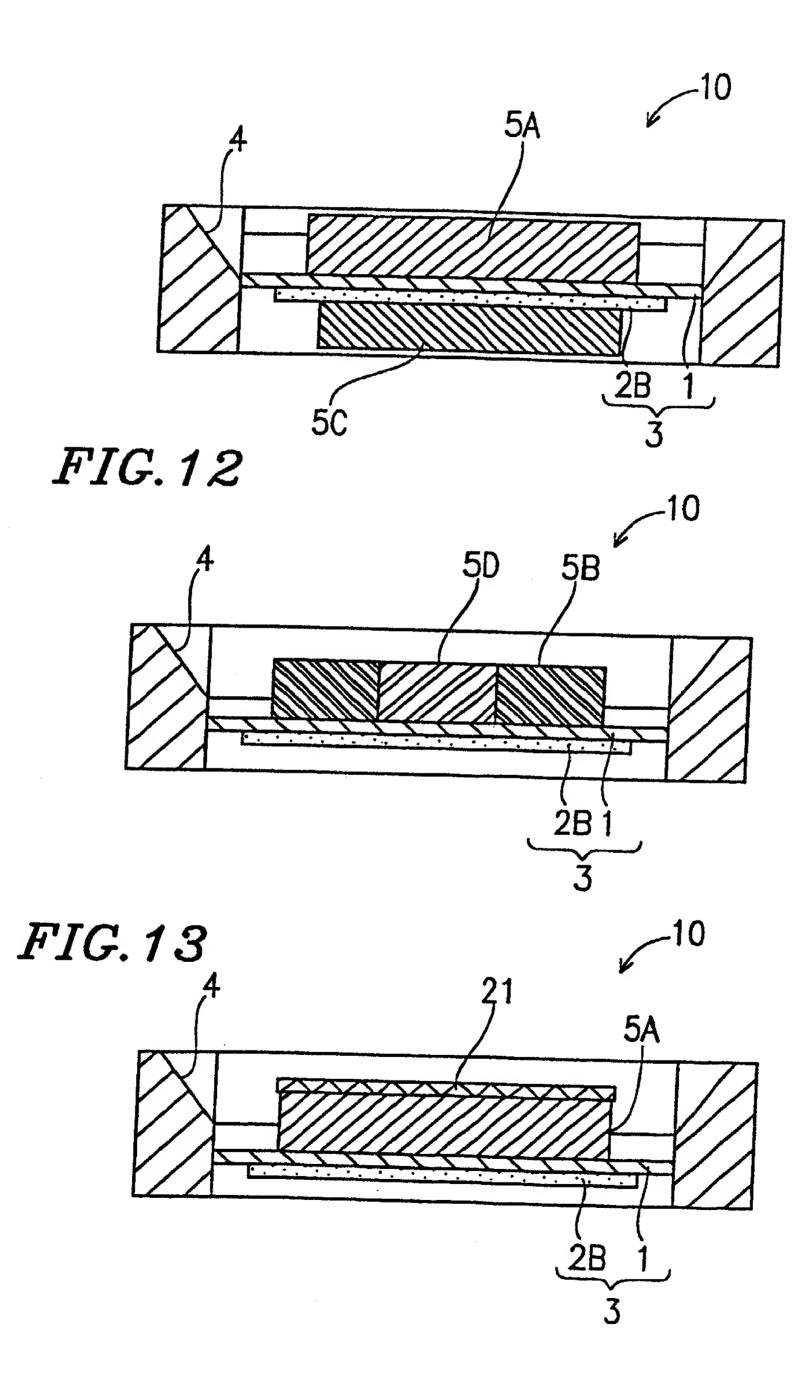
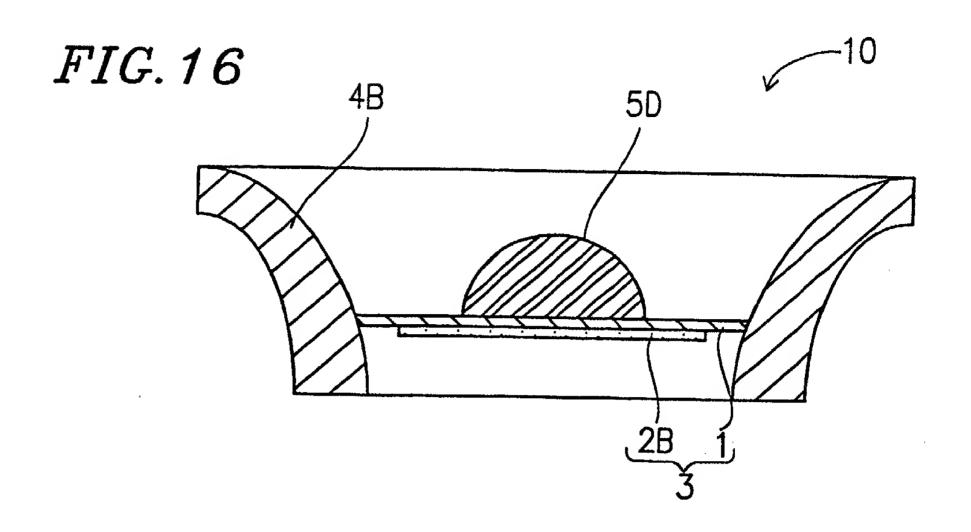


FIG. 11





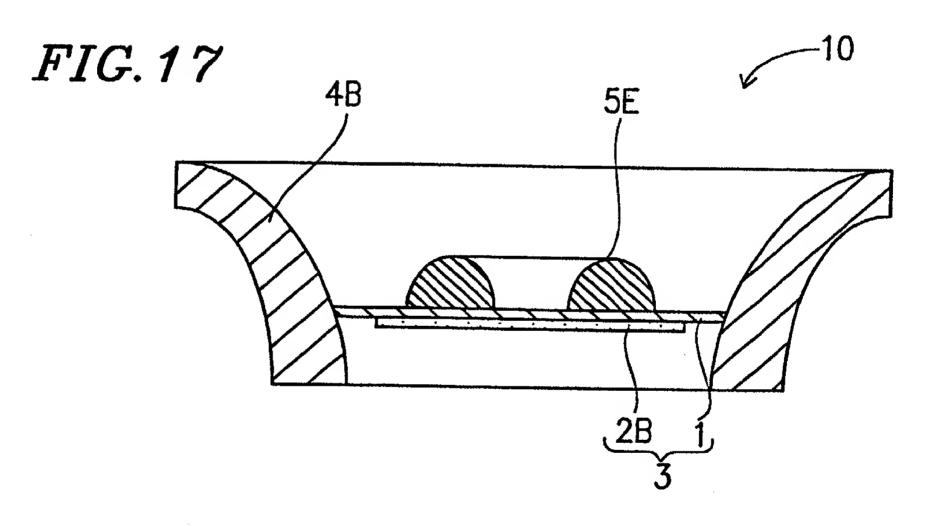


FIG. 18

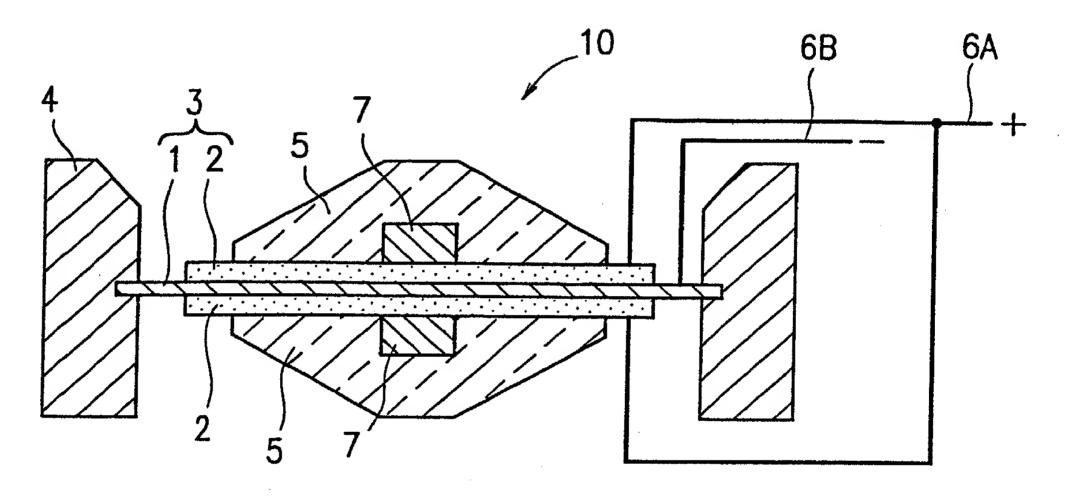
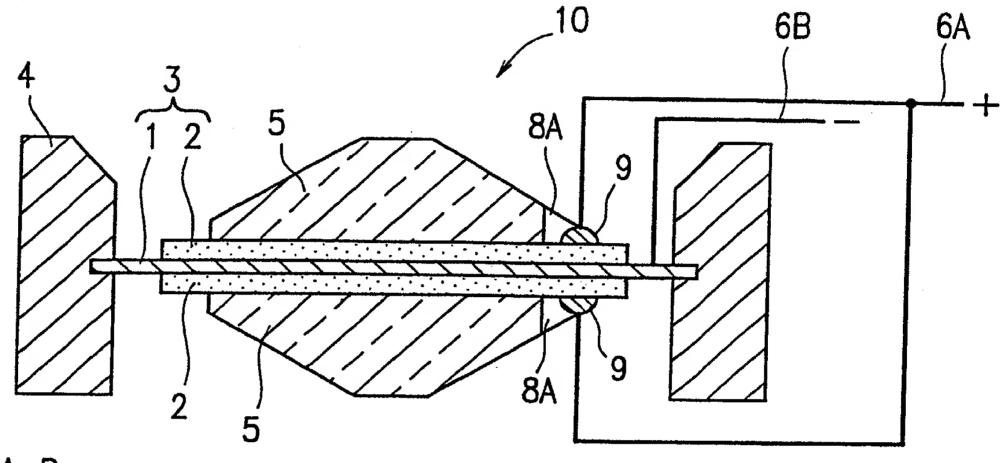


FIG. 19A



Sec. A-B

FIG. 19B

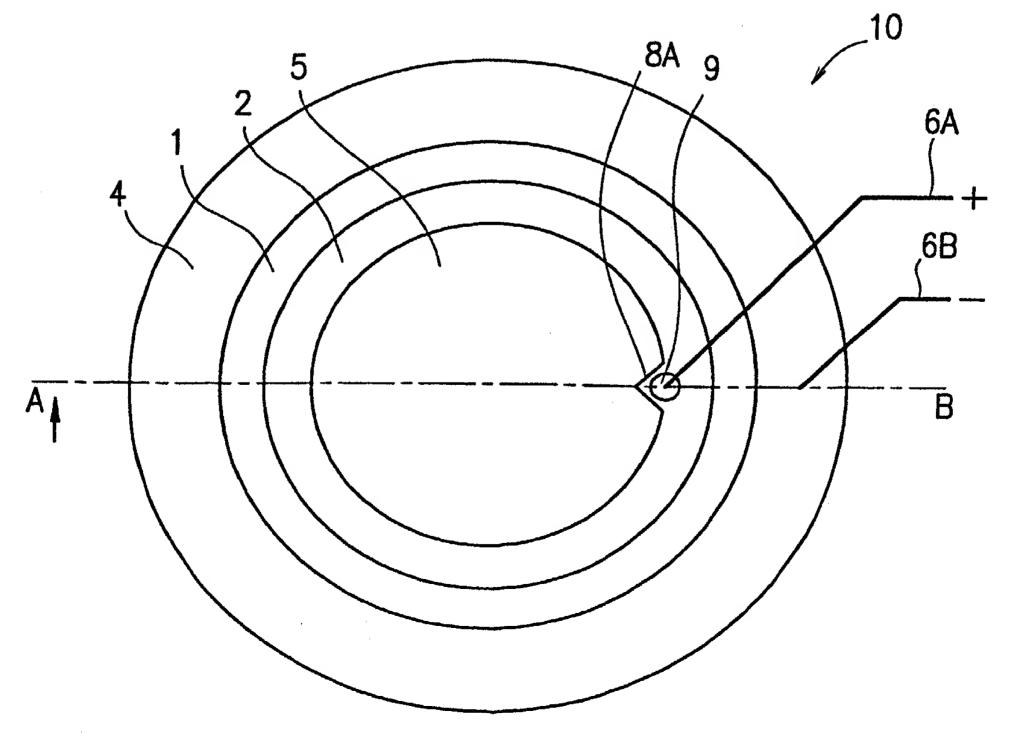
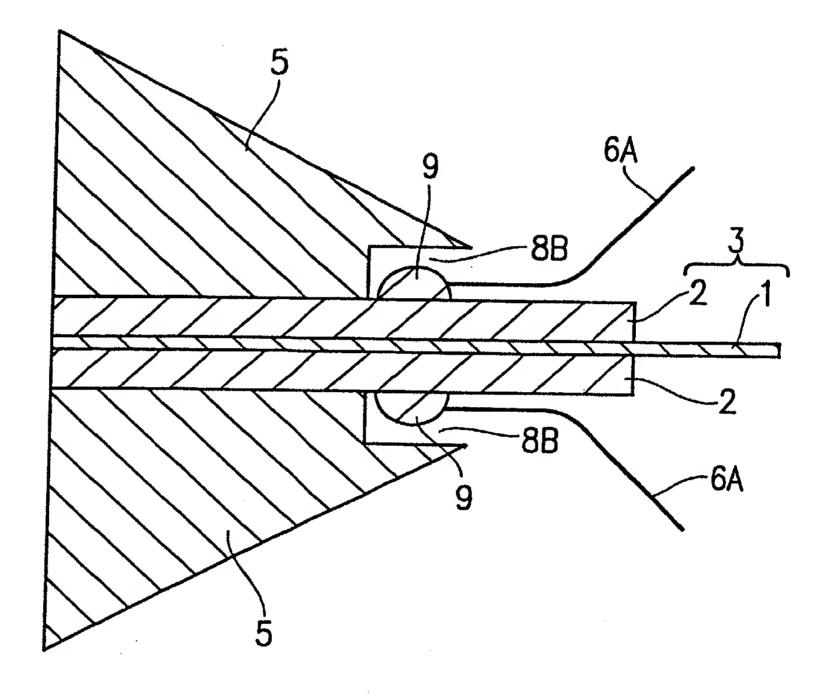


FIG.20



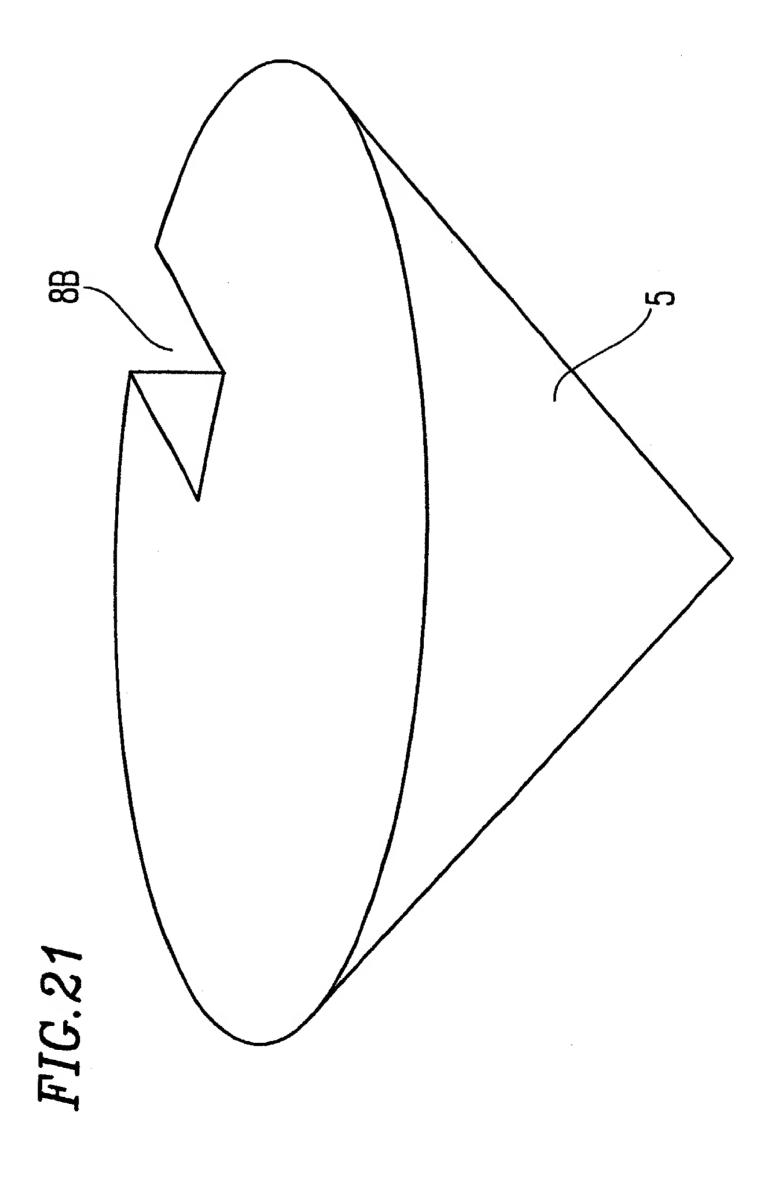


FIG.22

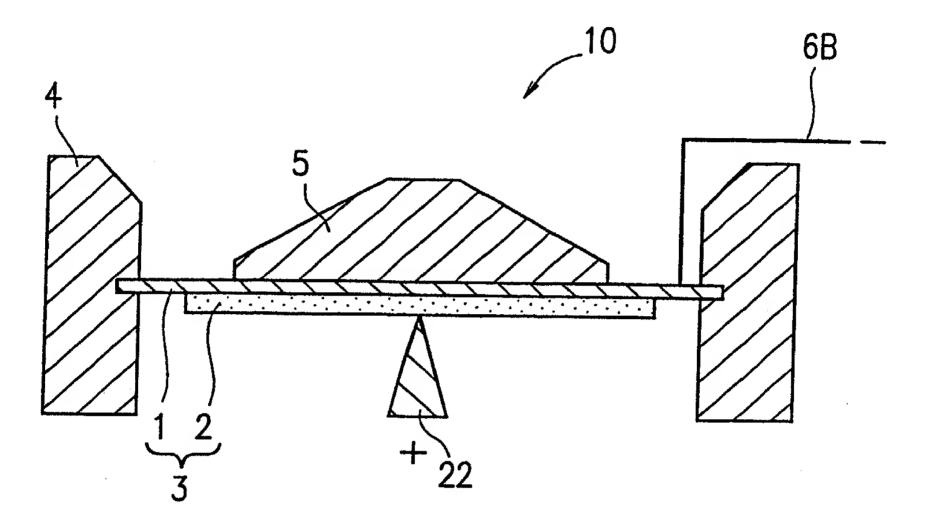
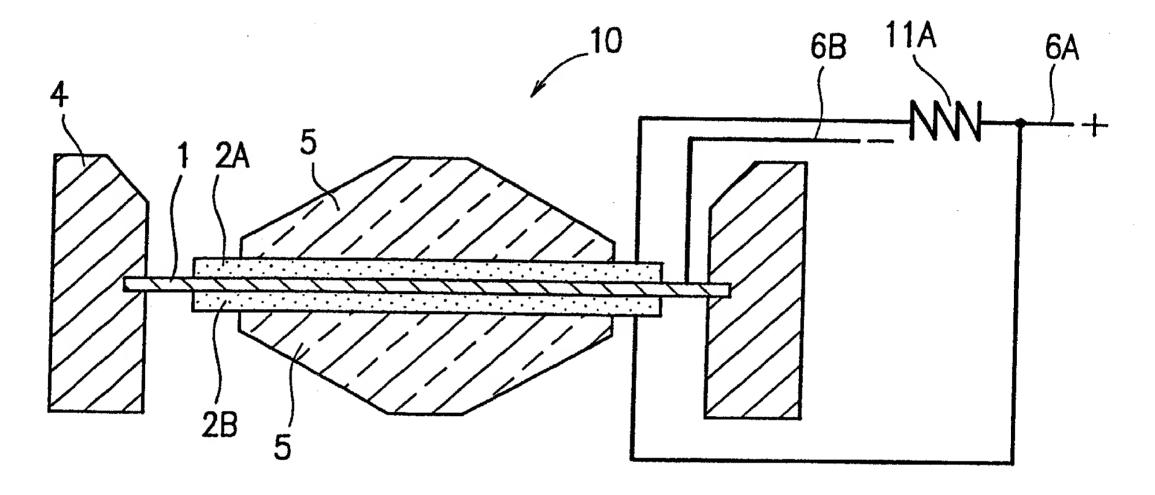
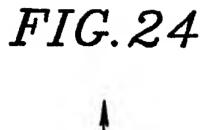
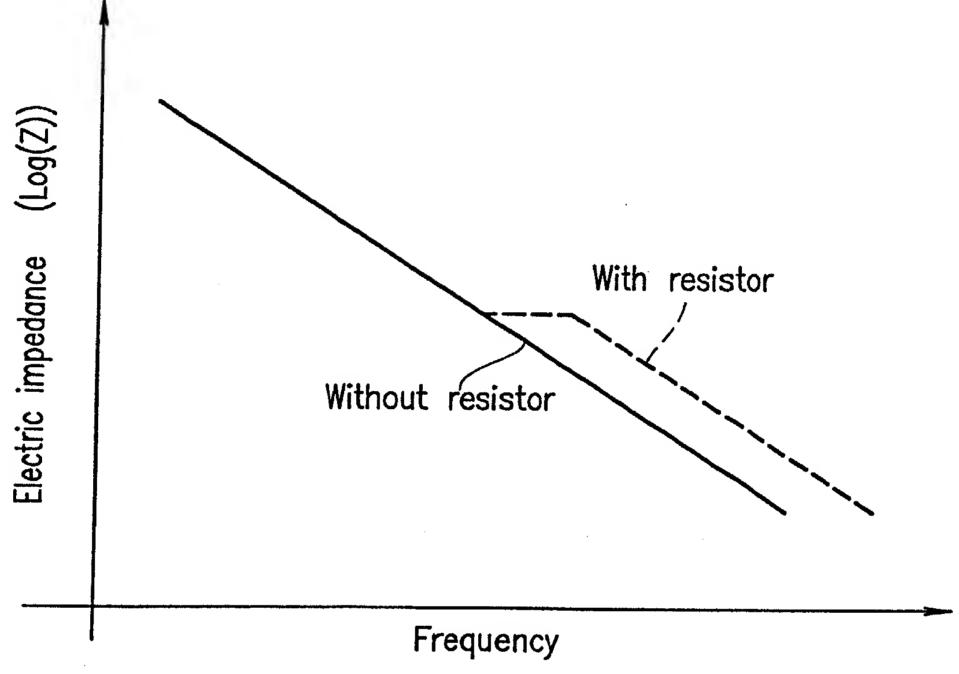


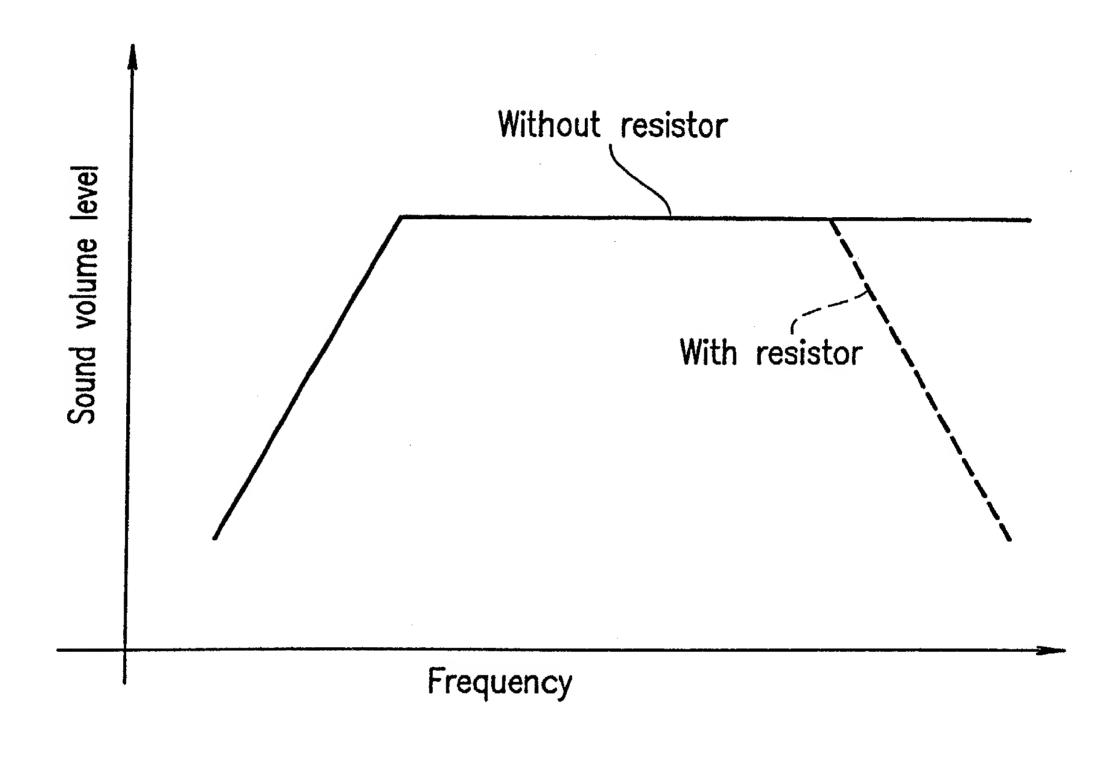
FIG.23











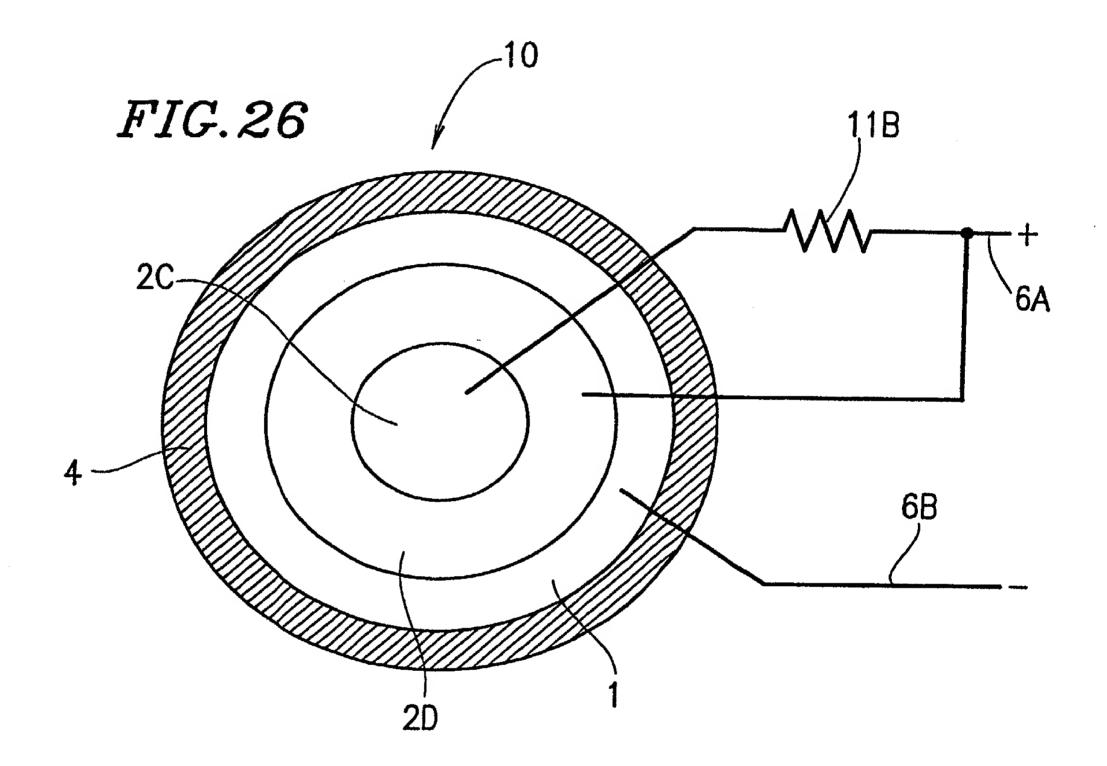
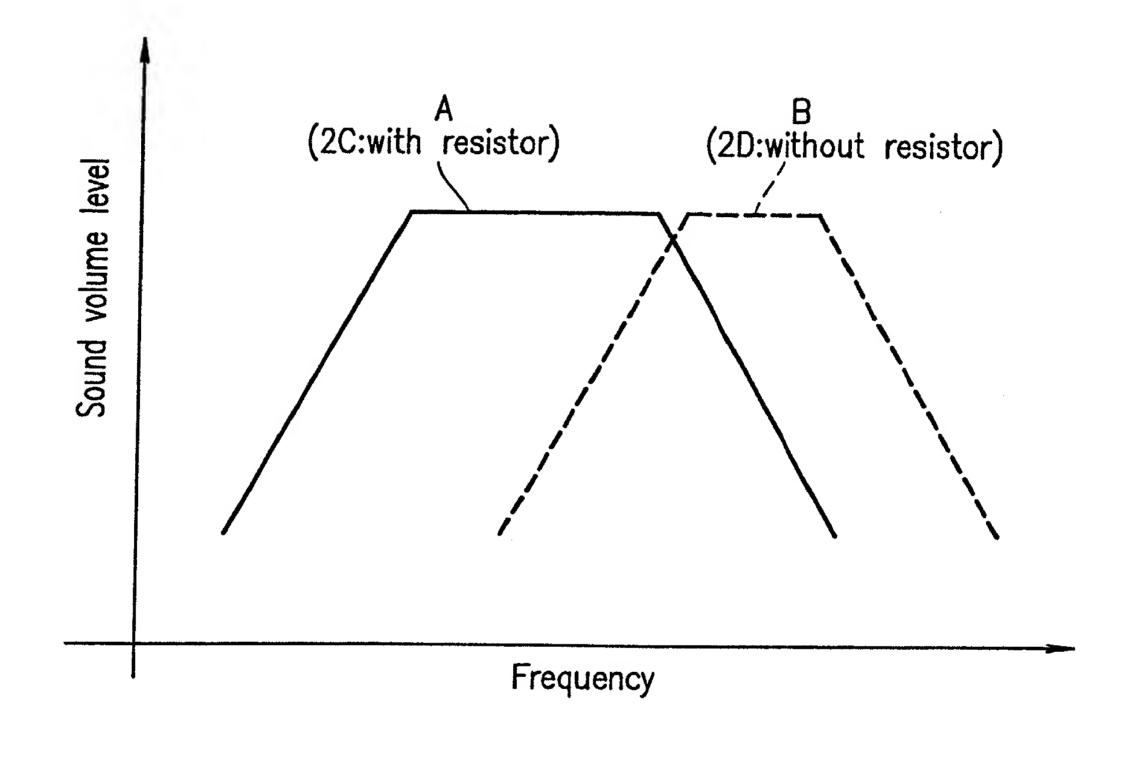
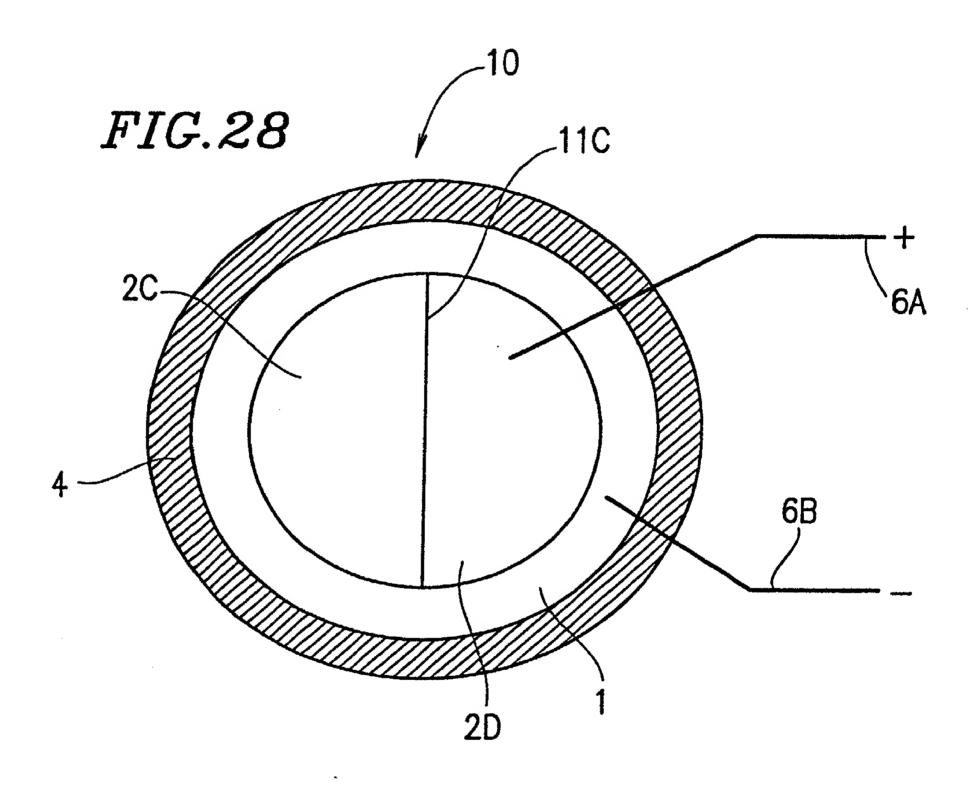


FIG.27





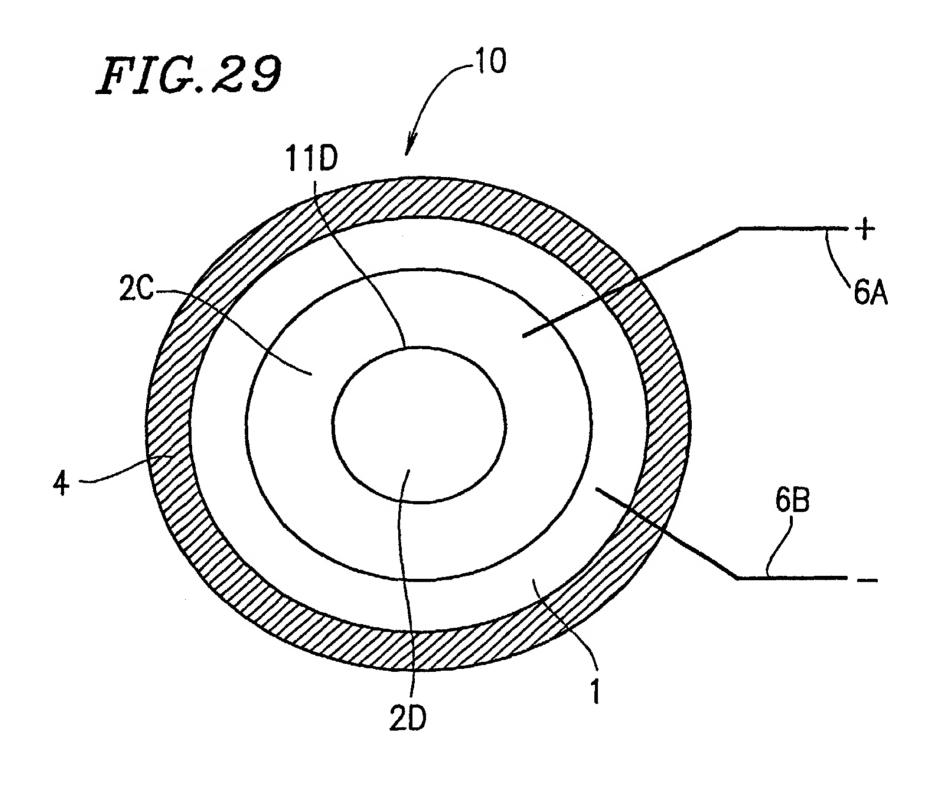


FIG. 30

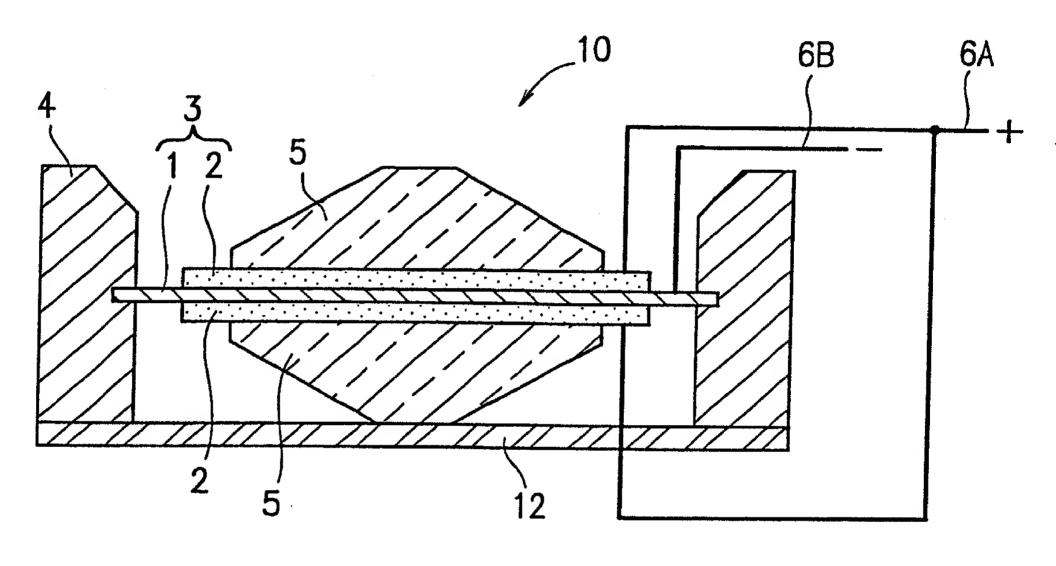


FIG. 31

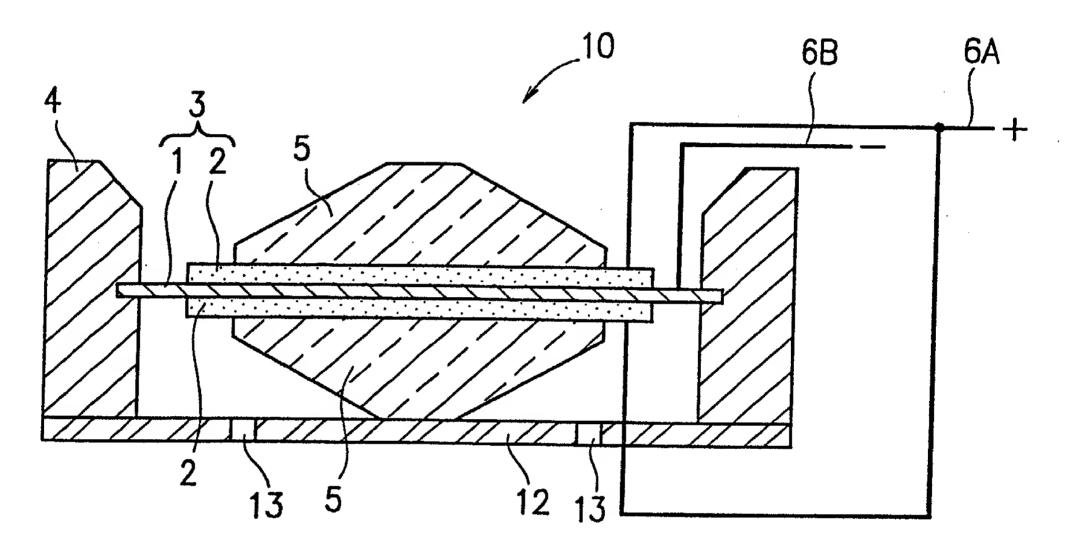


FIG. 32

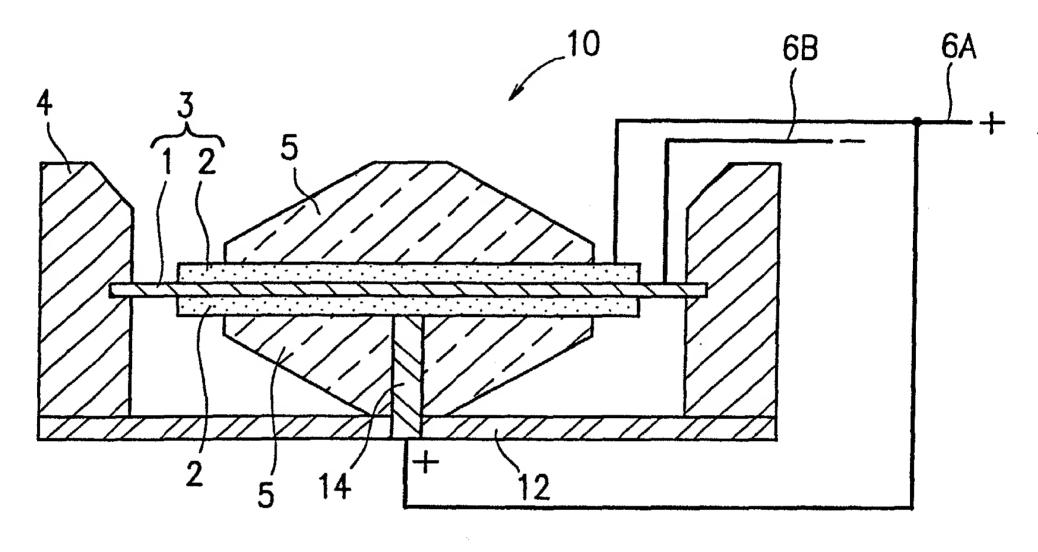


FIG. 33

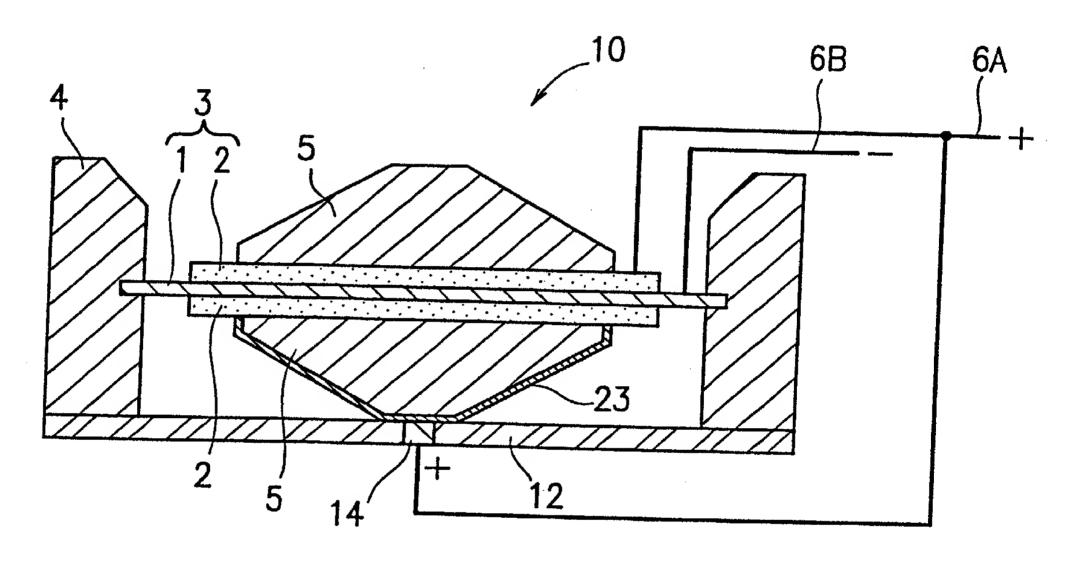


FIG. 34A

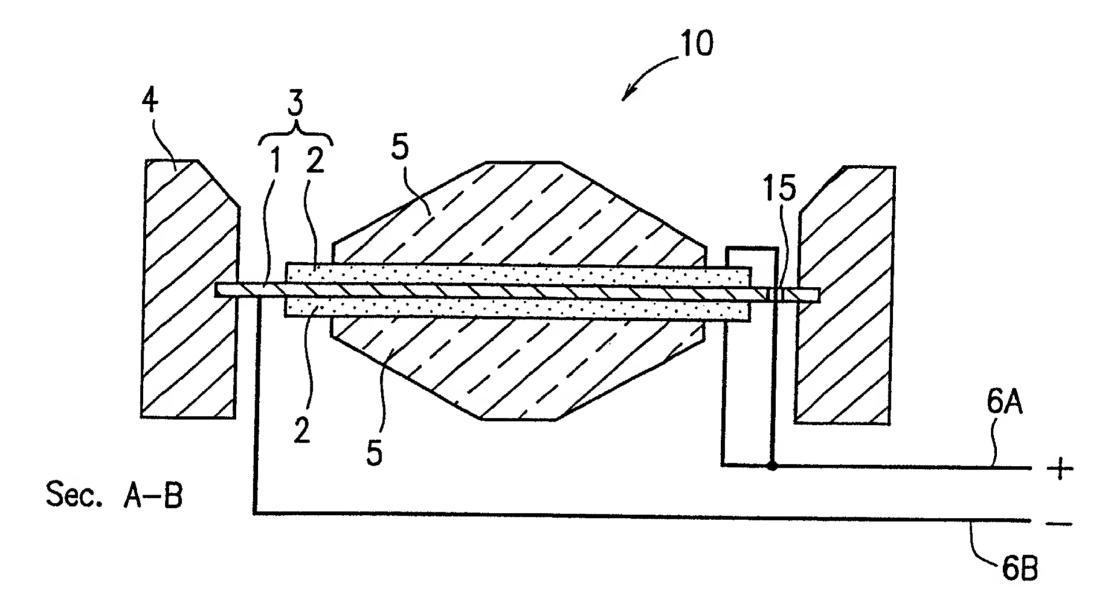


FIG.34B

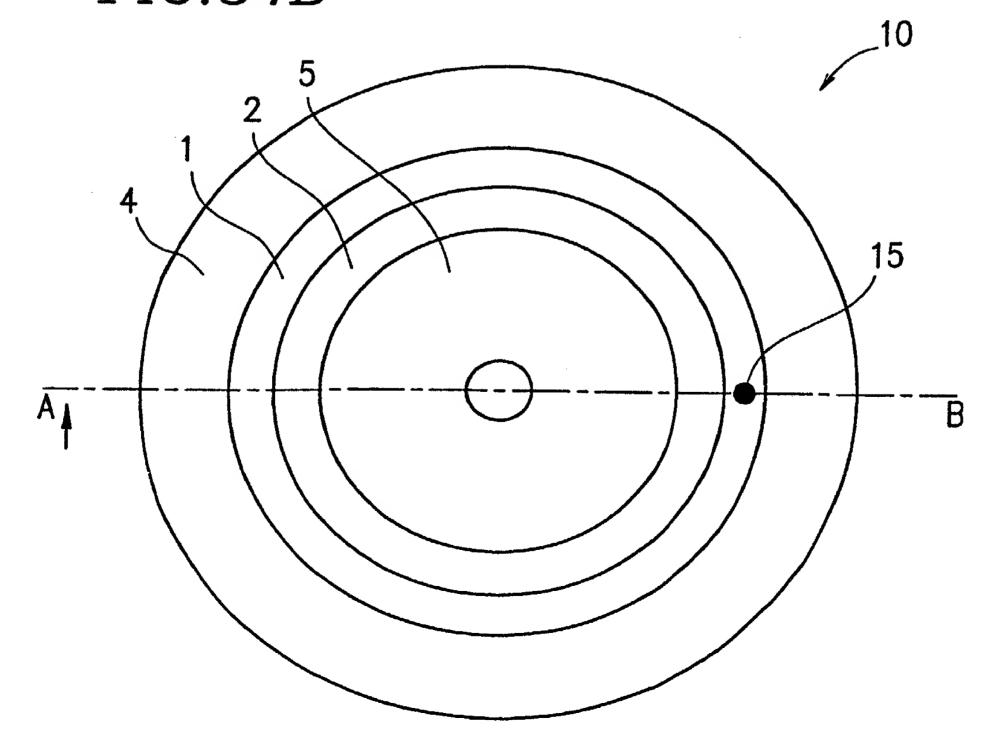


FIG. 35A

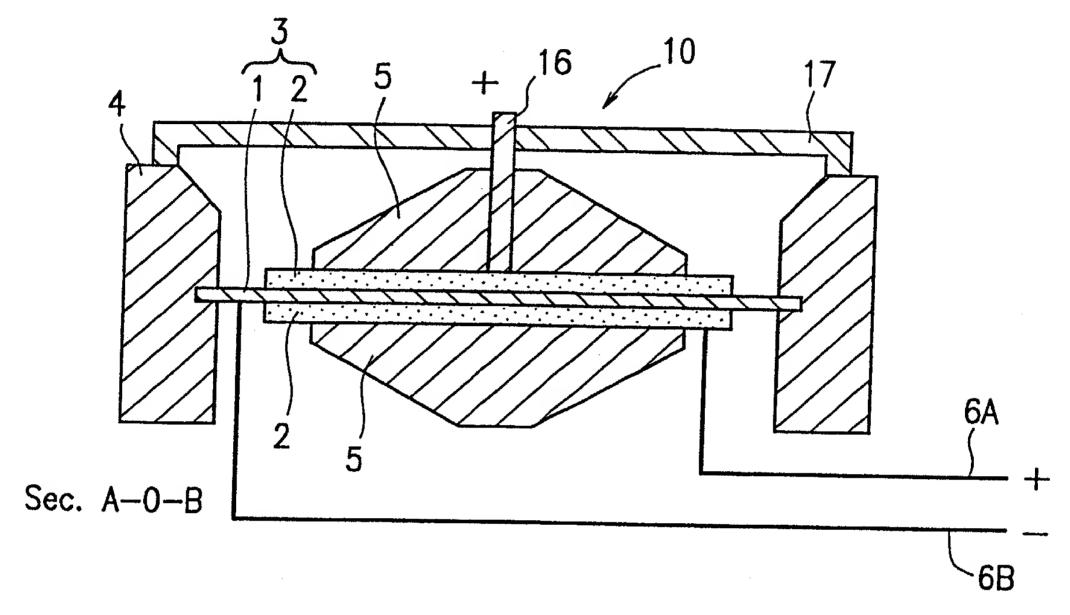


FIG.35B

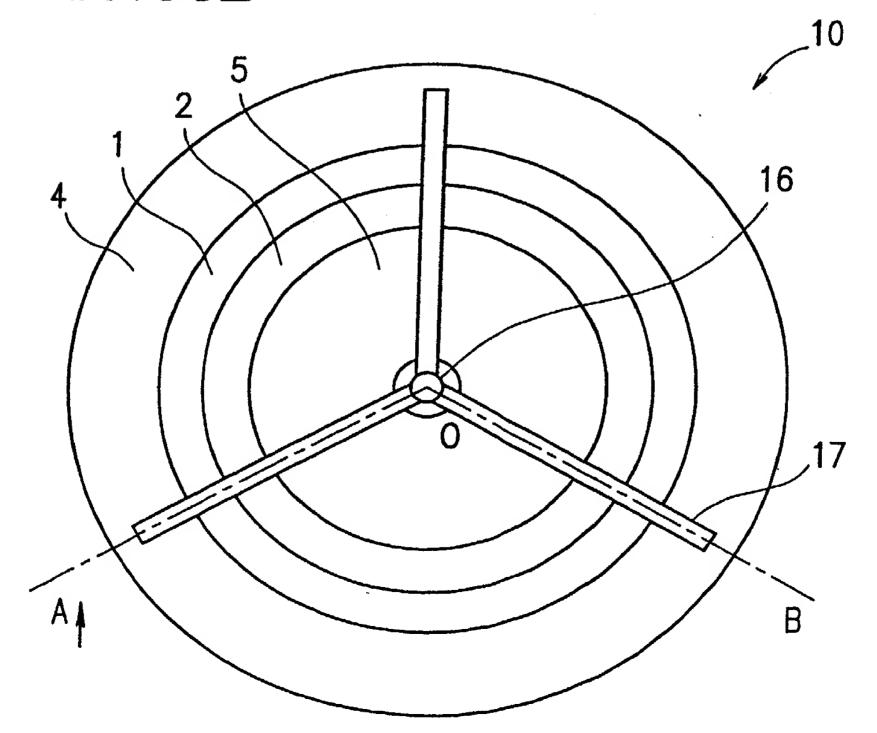
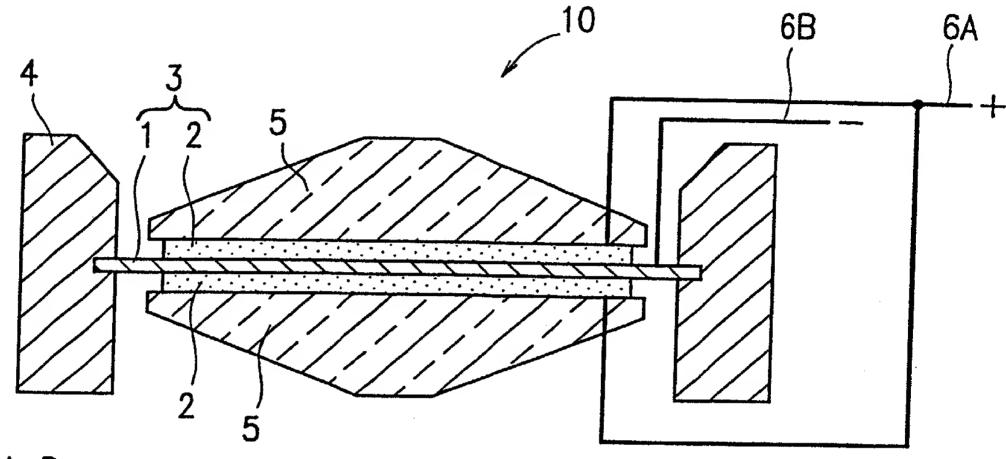


FIG. 36A



Sec. A-B

FIG. 36B

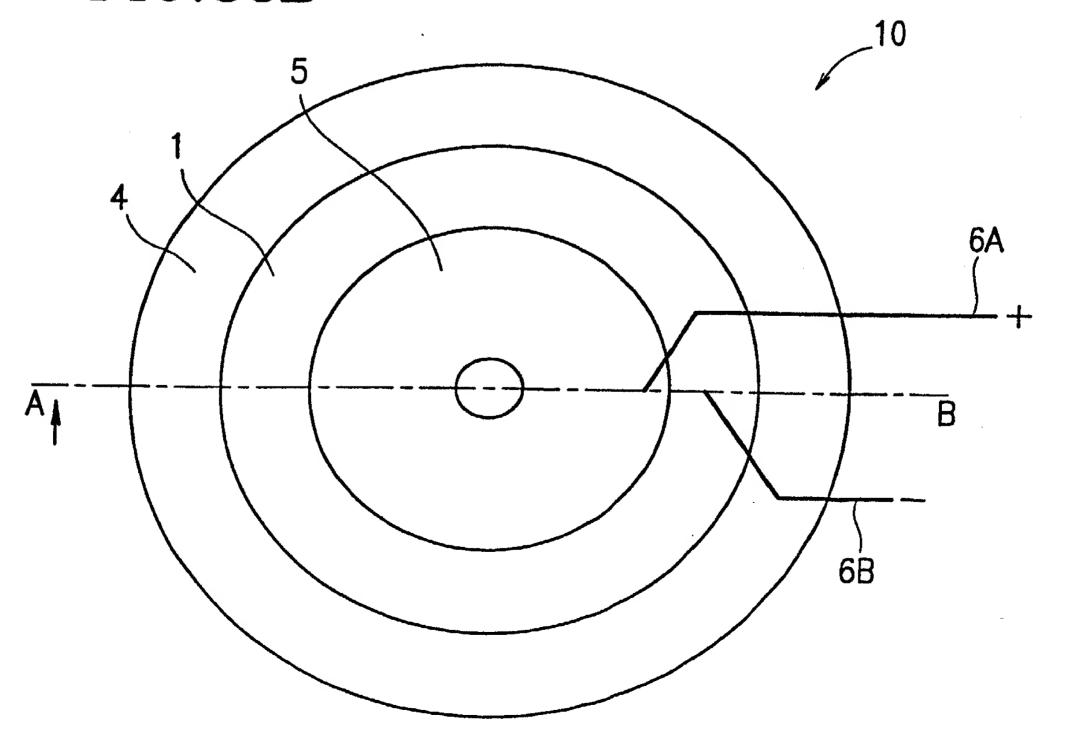
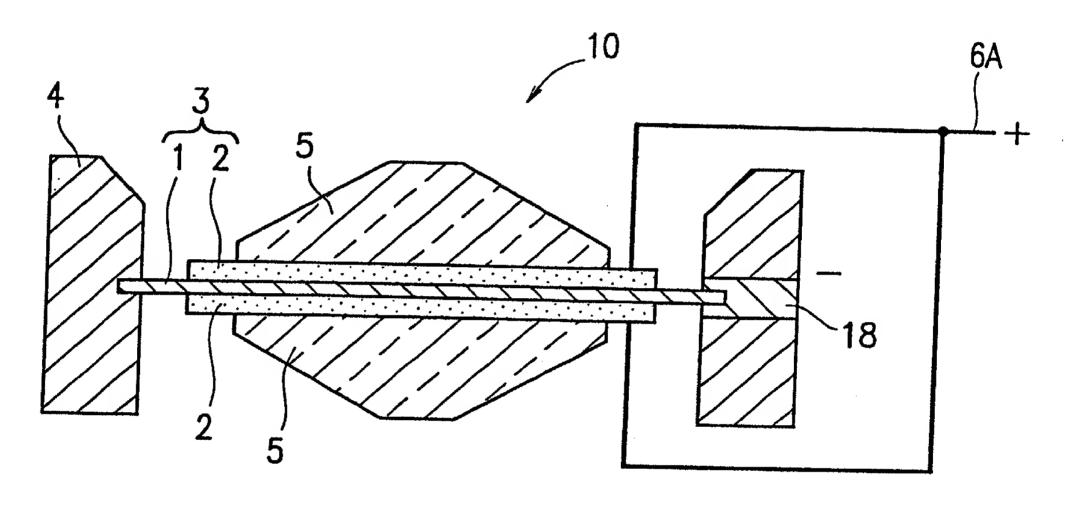


FIG. 37



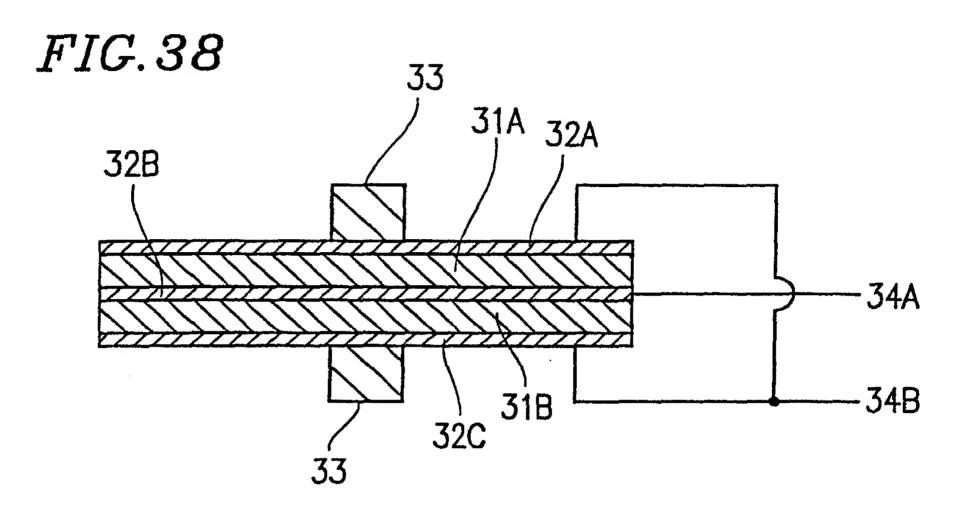


FIG.39

